

Baseefa (2001) Ltd.

Rockhead Business Park
Staden lane, Buxton
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SK17 9RZ
United Kingdom



ANNEX to IECEx BAS 05.0081X

Issue No. 1

Date: 2006/11/28

The Thermosafe Type A may be used at varying voltages according to the following table where the appropriate temperature class is specified:

<u>Equipment</u>	<u>Nominal Supply Voltage (Volts)</u>	<u>Nominal Drum Wall Temperature at 20°C ambient</u>	<u>Temperature Classification</u>	
			<u>(Gases, Vapours and Mists)</u>	<u>(Dusts)</u>
Type A	240	123	T3 (170°C)	T170°C
Type A	230	119	T3 (165°C)	T165°C
Type A	220	112	T3 (155°C)	T155°C
Type A	207	104	T3 (145°C)	T145°C
Type A	146	72	T4 (105°C)	T105°C
Type A	127	61	T5 (95°C)	T95°C
Type A	121	57	T5 (90°C)	T90°C
Type A	120	56	T5 (90°C)	T90°C
Type A	115	52	T5 (90°C)	T90°C
Type A	110	48	T6	T85°C
Type A	100	39	T6 (75°C)	T75°C
Type A + Top Hat	240	No Information	T3	T200°C
Type A + Top Hat	150	No Information	T4	T135°C

The following table has indicates the supply voltage for a particular temperature class or maximum required drum wall temperature:

<u>Equipment</u>	<u>Nominal Drum Wall Temperature at 20°C ambient</u>	<u>Nominal Supply Voltage (Volts)</u>	<u>Temperature Classification</u>	
			<u>(Gases, Vapours and Mists)</u>	<u>(Dusts)</u>
Type A	123	240	T3 (170°C)	T170°C
Type A	120	231	T3 (165°C)	T165°C
Type A	115	223	T3 (160°C)	T160°C
Type A	110	216	T3 (150°C)	T150°C
Type A	105	208	T3 (145°C)	T145°C
Type A	100	199	T3 (140°C)	T140°C
Type A	95	190	T4	T135°C
Type A	90	180	T4 (125°C)	T125°C
Type A	85	170	T4 (120°C)	T120°C
Type A	80	161	T4 (115°C)	T115°C
Type A	70	142	T4 (105°C)	T105°C
Type A	60	126	T5 (95°C)	T95°C
Type A	55	119	T5 (90°C)	T90°C
Type A	50	113	T6	T85°C
Type A	40	102	T6 (75°C)	T75°C

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The Thermosafe Type B may be used at varying voltages according to the following table where the appropriate temperature class is specified:

<u>Equipment</u>	<u>Nominal Supply Voltage (Volts)</u>	<u>Temperature Classification</u>	
		<u>(Gases, Vapours and Mists)</u>	<u>(Dusts)</u>
Type B	120	T3 (170°C)	T170°C
Type B	109	T4	T135°C
Type B	80	T5	T100°C
Type B	66	T6	T85°C
Type B + Top Hat	120	T3	T200°C
Type B + Top Hat	95	T4	T135°C
2 x Type B	120	T3 (170°C)	T170°C
2 x Type B	96	T4	T135°C
2 x Type B	67	T5	T100°C
2 x Type B	61	T6	T85°C
2 x Type B + Top Hat	120	T3	T200°C
2 x Type B + Top Hat	92	T4	T135°C

For both the Thermosafe Type A and the Thermosafe Type B, with the optional use of the Top Hat drum heater cover accessory, other voltages may be used when agreed with the manufacturer in order to achieve specific drum heating temperatures, provided that the maximum supply voltage for the appropriate temperature classification given above is not exceeded.